

10. April. 1715.

A Description of the Passage of the Shadow of the Moon, over England,  
In the Total Eclipse of the SUN, on the 22<sup>d</sup> Day of April 1715 in the Morning.



The like Eclipse having not for many Ages been seen in the Southern Parts of Great Britain, I thought it not improper to give the Publick an Account thereof, that the sudden darkness, wherein the Stars will be visible about the Sun, may give no surprise to the People, who would, if unadvertized, be apt to look upon it as Ominous, and to Interpret it as portending evil to our Sovereign Lord, King George and his Government, which God preserve. Hereby they will see that there is nothing in it more than Natural, and no more than the necessary result of the Motions of the Sun and Moon; And how well these are understood will appear by this Eclipse.

According to what has been formerly Observed, compared w<sup>th</sup> our best Tables, we conclude y<sup>e</sup> Center of y<sup>e</sup> Moon's Shade will be very near y<sup>e</sup> Lizard point, when it is about 5 min: past Nine at London; and that from thence in Eleven minutes of Time, it will traverse y<sup>e</sup> whole Kingdom, passing by Plymouth, Bristol, Gloucester, Daventry, Peterborough & Boston, near w<sup>ch</sup> it will leave y<sup>e</sup> Island: On each side of y<sup>e</sup> Tract for about 75 Miles, the Sun

will be Totally darkned; but for less & less Time, as you are nearer these limits, w<sup>ch</sup> are represented in y<sup>e</sup> Scheme, passing on y<sup>e</sup> one side near Chelster, Leeds, and York; and on y<sup>e</sup> other by Chichester, Gravesend, and Harwich.

At London we compute the Middle to fall at 15 min: past 9 in y<sup>e</sup> Morning, when tis dubious whether it will be a Total Eclipse or no, London being so near y<sup>e</sup> Southern limit. The first beginning will be there at 7 min: past Eight, and y<sup>e</sup> end at 24 min: past Nine. The Overall figure shews y<sup>e</sup> space y<sup>e</sup> Shadow will take up at y<sup>e</sup> time of the Middle at London; and its Center will pass on to y<sup>e</sup> Eastward, with a Velocity of nearly 50 Geographical Miles in a min: of Time.

NB. The Curious are desired to Observe it, and especially the duration of Total Darkness, with all the care they can; for thereby the Situation and dimensions of the Shadow will be nicely determined; and by means thereof we may be enabled to Predict the like Apperances for y<sup>e</sup> future, to a greater degree of certainty than can be pretended to at present, for want of such Observations.

By their humble Servant **Edmund Halley.**

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